

Thinkpad on Linux

Remap keys

I am using this to remap keys for faster navigation. When you pres [Fn] key, the cursor arrows are mapped as follows:

```
[ PGUP ]  
[ HOME ] [ PGDOWN ] [ END ]
```

[~/Xmodmap](#)

```
keycode 171 = End  
keycode 172 = Next  
keycode 173 = Home  
keycode 174 = Prior
```

[~/xprofile](#)

```
#tested on ThinkPad x201  
xmodmap -e "keycode 174 = Prior"  
xmodmap -e "keycode 172 = Next"  
xmodmap -e "keycode 173 = Home"  
xmodmap -e "keycode 171 = End"
```

ThinkFan

[/etc/modprobe.d/options.conf](#)

```
options thinkpad_acpi fan_control=1 fan="level disengaged" beep=6
```

Vyvazenej konfigurak, pokud to jde, tak je tichej. Ale pokud to je potreba, tak zacne efektivne chladit s nejmensima rozumnejma otackama. Nemelo by to pri bezny praci delat takovy ty narazy, ze je nejdriv vypej a pak se zas pusti naplno. Nicmene narozdil od defaultni konfigurace umoznuje pustit vetrak na plny otacky pokud dosahne teplota 90C, takze by se to nemelo prehrejvat jako v defaultu.

[/etc/thinkfan.conf](#)

```
(0, 0, 40)  
(5, 32, 60)  
(6, 59, 70)  
(7, 69, 95)
```

```
("level disengaged", 90, 32767)
```

```
echo thinkpad_acpi >> /etc/modules
modprobe thinkpad_acpi
systemctl enable thinkfan
systemctl start thinkfan
```

Modem

- Pro Vodafone stáhnout [tyto oladače](#) a rozbalit do adresáře `/lib/firmware/gobi`
- Nainstalovat balicky `apt-get install gobi-loader modemmanager`
- Nepridavat `05c6:9205` (z `lsusb`) do `/usr/lib/udev/rules.d/60-gobi.rules` !!! je to USB ID po nahrani FW, pred nahranim to ma `05c6:9204` a to uz tam je. Pokud se tam nahraje i to prvni, tak to dokola loaduje fw a nenabehne to.
- Restartovat pocitac
- Po pripojeni skrz networkmanager lze nainstalovat a pouzit program `modem-manager-gui` k posilani a prijmani SMS, USSD kodu a sledovani detailu pripojeni

odkazy a drivery pro ostatni operatory

- http://www.thinkwiki.org/wiki/Qualcomm_Gobi_2000
- <http://support.lenovo.com/us/en/downloads/ds001302>

Wifi

Kdyz zamrzne, jde restartovat takhle. I kdyz vetsinou stejne zamrzne znova:

```
echo 1 > /sys/bus/pci/devices/0000\:02\:00.0/remove
echo 1 > /sys/bus/pci/rescan
```

Udajne pomaha zakazat wake on lan.

Thinklight

Dame vsem prisup k LEDkam:

[/etc/udev/rules.d/10-thinklight.rules](#)

```
SUBSYSTEM=="leds", ACTION=="add", RUN+="/bin/chmod -R o=u,g=u /sys%p"
SUBSYSTEM=="leds", ACTION=="change", ENV{TRIGGER}!="none",
RUN+="/bin/chmod -R o=u,g=u /sys%p"
```

Rebootneme nebo reloadneme udevadm control --reload-rules; udevadm trigger --verbose

Potom vytvorime tenhle skript s pravama pro spusteni:

[/usr/local/bin/thinklight](#)

```
#!/bin/sh
led='/sys/class/leds/tpacpi::thinklight/brightness';
state=$(cat "$led");
[ "$state" == 0 ] && new=255 || new=0;
echo "${1:-$new}" > "$led";
```

Muzem pouzivat tyhle prikazy

- thinklight - vypne/zapne svetylko (idealni jako ikonka na listu)
- thniklight 0 - vypne
- thniklight 255 - zapne

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